



Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An imaging optical device, ~~in particular binoculars (1) or a telescope,~~ comprising:
  - [-] a casing (2);
  - [-] an optical system (2a) having at least two optical components, the distance of which relative to each other ~~being~~ is adjustable for focus setting of the optical system (2a);
  - [-] an adjusting device (5), which is coupled with at least one of the two optical components, for regulation of the distance between the two optical components;
  - [-] a detection device (11) for detecting the position of the optical components relative to one another;
  - [-] a processor (16) which is in signalling connection with the detection device (11) for conversion of position data obtained from the detection device (11) into a focal length of the optical system;
  - [-] an output device (17) which is in signalling connection with the processor (16) for readable display of the converted focal length; and
  - [-] an energy-supply device for the detection device (11), the processor (16) and the output device (17); 7

[-]        wherein the adjusting device comprises a focusing wheel,

the detection device (11) comprises a potentiometer pickoff which detects the current position of the focusing wheel, and

wherein the potentiometer pickoff of the detection device (11) comprises a wiper (10) which is rigidly connected to an adjusting bar which is provided with the at least two optical components, and a wiper contact (12) which is fixed to the casing (2).

2. (Original) An optical device according to claim 1, wherein the energy supply device comprises at least one battery (18).

3. (Cancelled).

4. (Cancelled).

5. (Cancelled).

6. (Original) An optical device according to claim 1, wherein the output device (17) is a liquid crystal display.

7. (Original) An optical device according to claim 1, comprising an operating button (19) for temporary activation of the detection device (11).

8. (Original) An optical device according to claim 1, comprising an operating button (19) for temporary activation of the output device (17).

9. (Original) An optical device according to claim 1, comprising an operating button (19) for temporary activation of the detection device (11) and the output device (17).

10. (Original) An optical device according to claim 1, wherein supply of the detection device (11) with energy takes place via a ribbon cable (13).

11. (New) Binoculars (1) comprising:

a casing (2);

an optical system (2a) having at least two optical components, the distance of which relative to each other is adjustable for focus setting of the optical system (2a);

an adjusting device (5), which is coupled with at least one of the two optical components, for regulation of the distance between the two optical components;

a detection device (11) for detecting the position of the optical components relative to one another;

a processor (16) which is in signalling connection with the detection device (11) for conversion of position data obtained from the detection device (11) into a focal length of the optical system;

an output device (17) which is in signalling connection with the processor (16) for readable display of the converted focal length; and

an energy-supply device for the detection device (11), the processor (16) and the output device (17),

wherein the adjusting device comprises a focusing wheel,

the detection device (11) comprises a potentiometer pickoff which detects the current position of the focusing wheel, and

wherein the potentiometer pickoff of the detection device (11) comprises a wiper (10) which is rigidly connected to an adjusting bar which is provided with the at least two optical components, and a wiper contact (12) which is fixed to the casing (2).